AES REFRIGERATOR WIRING

Dometic

RM 4805
3-way refrigerator, approx. 224 litres,
12/240 volts and gas
W632 x **H**1544 x **D**661 mm
RM4805

AES MODELS

RM 2355
3-way refrigerator, approx. 90 litres,
12/240 volts and gas
W550 x **H**766 x **D**565 mm
RM2355

RM 2455
3-way refrigerator, approx. 120 litres,
12/240 volts and gas
W632 x **H**948 x **D**627 mm
RM2455

RM 2555
3-way refrigerator, approx. 148 litres,
12/240 volts and gas
W632 x **H**1104 x **D**627 mm
RM2555

RM 4605
3-way refrigerator, approx. 185 litres,
12/240 volts and gas
W632 x **H**1385 x **D**661 mm
RM4605

INSPIRED BY COMFORT

AES controlled refrigerators provide the user with two options:

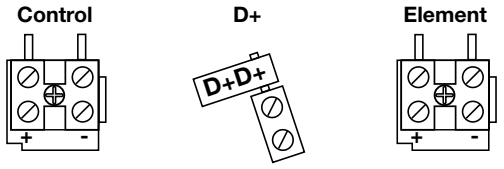
1. Set the refrigerators to AES. This will automatically select the best available energy source moving from one fuel to another as different fuels become available and/or are removed.
2. Set the refrigerator to run on LPG continually.

   Note: The only difference connecting a non AES refrigerator and an AES refrigerator is the need to connect the D+ wire for determining the state of the vehicle engine and a small connection to the house battery for the electronics.

The order of fuel selection:

1. 240 AC
2. 12 Volt (If the engine is running)
3. LPG

The AES installation is simple.

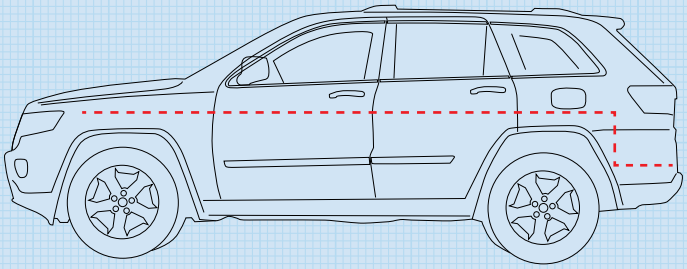


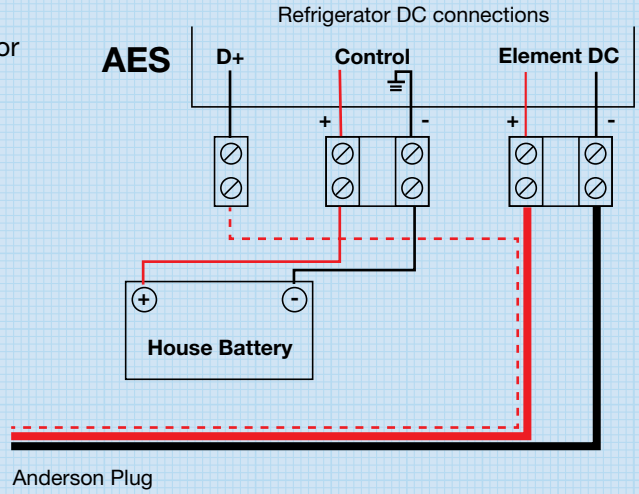
There are three 12 volt connections:
1. The 12 volt supply for the controls (house battery).
2. The heating element supply wires (vehicle battery).
3. The D+ connection (sense the engine is running).

No matter how you want to organise the features of your vehicle the AES will blend in and compliment the vehicle. Depending on the existing electrical system the AES will connect in the following ways:

1 Connection to suit motor home or caravan with the D+ wire connected to the vehicle alternator or ignition switch.

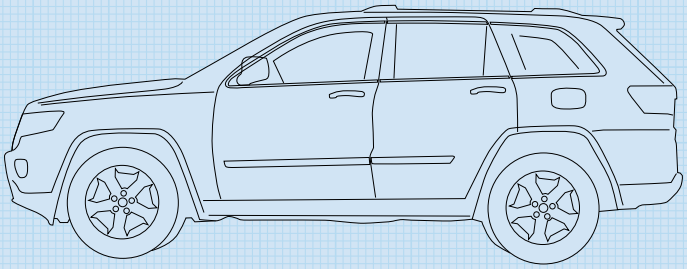
→ No house battery recharging from the vehicle.
→ The D+ connection is taken to the vehicle alternator.

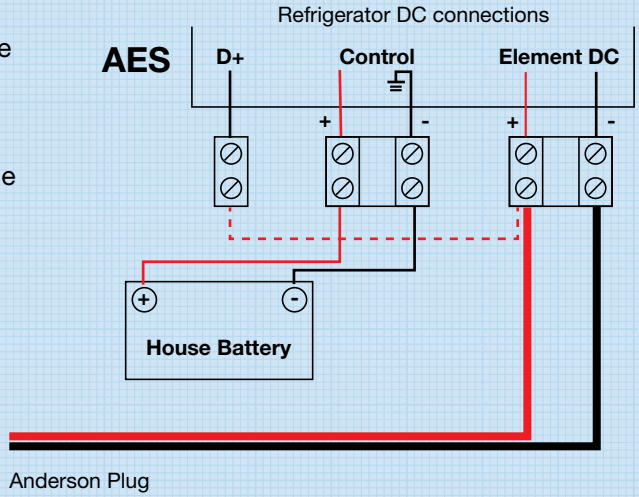




2 Anderson plug controlled by vehicle relay to the ignition switch. Power can only be supplied if the engine is running.

→ No house battery recharging from the vehicle.
→ The Anderson plug is controlled by a relay via the ignition switch of the vehicle.





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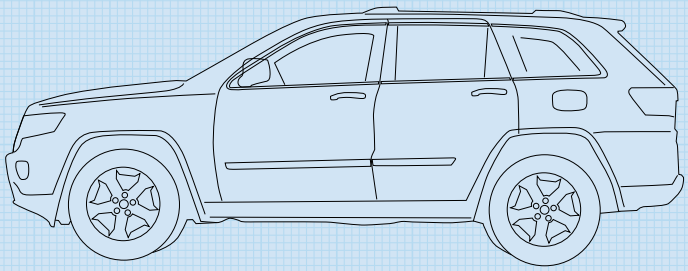
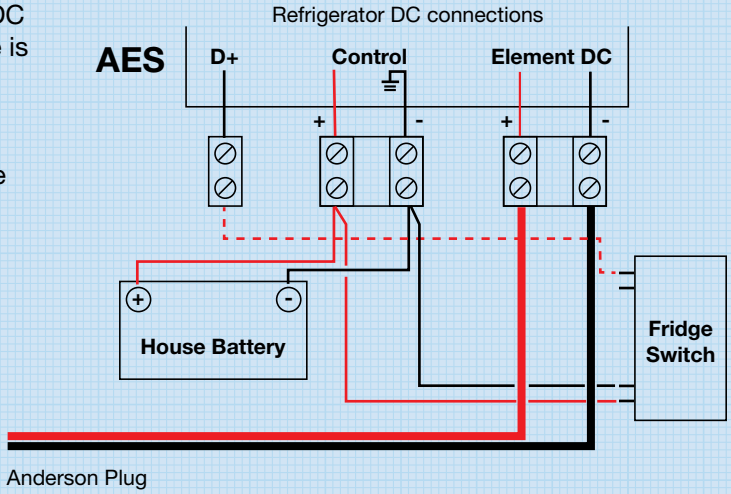
Using a fridge movement switch to add 12 volt DC to the D+ connection wire, only when the vehicle is moving.

→ No house battery recharging from the vehicle.
→ The D+ is turned on and off via an optional fridge movement switch.

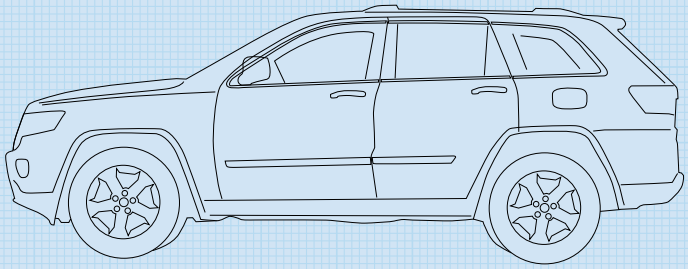


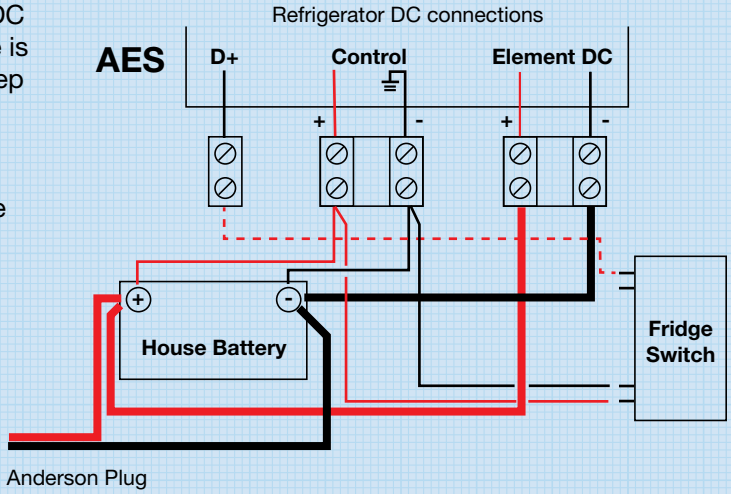


4

Using a fridge movement switch to add 12 volt DC to the D+ connection wire, only when the vehicle is moving. The Anderson plug connection must keep the house battery fully charged.

→ House battery recharged by vehicle.
→ The D+ is turned on and off via an optional fridge movement switch.





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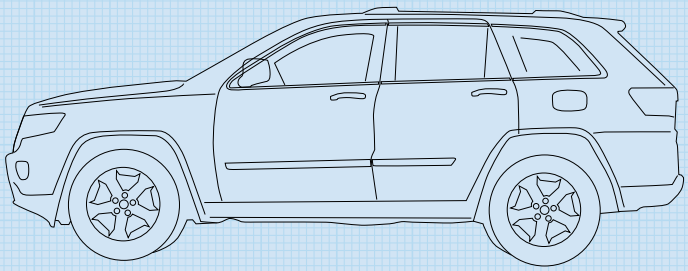
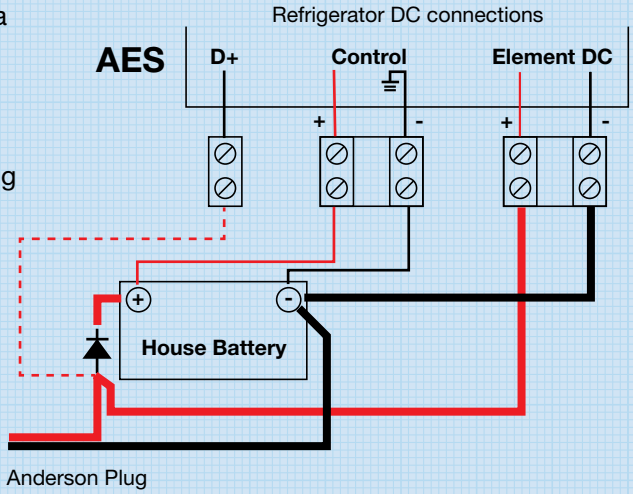
Anderson plug recharging the house battery via a power diode. The D+ wire can only get a 12 volt signal when the battery is being charged.

→ House battery recharged by vehicle.
→ The D+ is turned on and off by the vehicle starting and stopping.





Dometic

Dometic is a customer-driven, world-leading provider of leisure products for the RV, automotive, truck and marine markets. We supply the industry and aftermarket with a complete range of air conditioners, refrigerators, awnings, cookers, sanitation systems, lighting, mobile power equipment, comfort and safety solutions, windows, doors and other equipment that make life more comfortable away from home.

Dometic supplies a wide range of workshop equipment for service and maintenance of built-in air conditioners. Dometic also provides specially designed refrigerators for hotel rooms, offices, wine storage and transport and storage of medical products. Our products are sold in almost 100 countries and are produced mainly in wholly-owned production facilities around the world.

AUSTRALIA

Dometic Australia, Queensland 1
1 John Duncan Court
Varsity Lakes QLD 4227
Phone: +61 (0)7 5507 6000
Fax: +61 (0)7 5507 6001
E-mail: sales@dometic.com.au
sales@waeco.com.au
Web: www.dometic.com.au

Dometic Australia, Queensland 2
2/129 South Pine Road
Brendale QLD 4500
Phone: +61 (0)7 3205 7599
Fax: +61 (0)7 3881 1409
E-mail: sales@dometic.com.au
sales@waeco.com.au
Web: www.dometic.com.au

Dometic Australia, Victoria
Bldg 3B, Clayton Business Park
1508 Centre Road, Clayton VIC 3168
Phone: +61 (0)3 9239 1000
Fax: +61 (0)3 9239 1099
E-mail: sales@dometic.com.au
sales@waeco.com.au
Web: www.dometic.com.au

Dometic Australia, Western Australia
12 Prosperity Avenue
Wangara WA 6065
Phone: +61 (0)8 9303 3555
Fax: +61 (0)8 9303 3577
E-mail: sales@dometic.com.au
sales@waeco.com.au
Web: www.dometic.com.au

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